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Application Number	09/873,445
Filing Date	July 27, 2001
First Named Inventor	Stéphane Marie-Julie JETTE
Group Art Unit	2874
Examiner Name	n/a
Attorney Docket Number	AP875US

(use as many sheets as necessary)

Sheet	1	of	3
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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**Examiner
Signature**

Kenneth Wood

Date _____

Considered

8/24/04

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 3

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Application Number	09/915,363
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First Named Inventor	Stéphane Marie-Julie JETTE
Group Art Unit	2874
Examiner Name	n/a
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
KSW	7	TREDICUCCI, A. et al, "Single-Mode Surface-Plasmon Laser", Applied Physics Letters, vol. 76, no. 16, p. 2164, 2000
KSW	8	BERINI, P., "Plasmon-Polariton Waves Guided by Thin Lossy Metal Films of Finite Width: Bound Modes of Symmetric Structures", Physical Review B, vol. 61, no. 15, p. 10484, 2000
KSW	9	CHARBONNEAU, R. BERINI, P. et al, "Long-Range Plasmon-Polariton Wave Propagation in Thin Metal Films of Finite-Width Excited Using an End-Fire Technique", Proceedings of SPIE, vol. 4087, p. 534, 2000
KSW	10	BERINI, P. "Plasmon-Polariton Modes Guided by a Metal Film of Finite Width Bounded by Different Dielectrics", Optics Express, vol. 7, no. 10, p. 329, 2000
KSW	11	BERINI, P. "Plasmon-Polariton Modes Guided by a Metal Film of Finite Width", Optics Letters, vol. 24, no. 15, p. 1011, 1999
KSW	12	CHARBONNEAU, R., BERINI, P. "Experimental Observation of Plasmon-Polariton Waves Supported by a Thin Metal Film of Finite Width", Optics Letters, vol. 25, no. 11, p. 844, 2000
KSW	13	BERINI, P. "Plasmon-Polariton Waves Guided by Thin Lossy Metal Films of Finite Width: Bound Modes of Asymmetric Structures", Physical Review B, vol. 63, 125417-2001
KSW	14	BOARDMAN, A.D., Editor. "Electromagnetic Surface Modes. Wiley Interscience, 1982
KSW	15	PREGLA, R., PASCHER, W. "The Method of Lines", Numerical Techniques for Microwave and Millimeter-Wave Passive Structures. Wiley Interscience, 1989. T. ITOH Editor
KSW	16	BERINI, P., WU, K. "Modeling Lossy Anisotropic Dielectric Waveguides with the Method of Lines", IEEE Transactions on Microwave Theory and Techniques, vol. MTT-44, No. 5 (May 1996) pp. 749-759
KSW	17	BERINI, P. STOHR, A., WU, K., JAGER, D. "Normal Mode Analysis and Characterization of an InGaAs/GaAs MQW Field-Induced Optical Waveguide Including Electrode Effects", Journal of Lightwave Technology, vol. 14, no. 10 (October 1996) pp. 2422-2435

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KSW	18	YEH, POCHI. "Optical Waves in Layered Media", Wiley, 1988	
KSW	19	VINOGRADOX, A.V. "X-Ray and Far UV Multilayer Mirrors: Principles and Possibilities", Applied Optics, vol. 16, no. 1, p. 89, 1977	
KSW	20	GLYTSIS E N et al "High -Spatial-Frequency Binary and Multivvel Stairstep Gratings: Polarization-Selective Mirrors and Broadband Antireflection Surfaces" Applied Optics, Optical Society of America, Washington US vol.31 no. 22	
KSW	21	LIU J. et al " Infrared Quarter-Wave Reflector Retarders Designed with High-Spatial-Frequency Dielectric Surface-Relief Gratings on Goldsubstrate at Oblique Incidence" Applied Optics, Optical Society of America, Washington US vol.35, no. 28	
KSW	22	LOH W H et al "Sampled Fiber Grating Based-Dispersion Slope Compensator" IEEE Photonics Technology Letters, IEEE Inc. New York, US, vol 11, no. 10, October 1999	

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